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NOTICE OF ALLOWANCE AND FEE(S) DUE

32588

7590

10/09/2008

APPLIED MATERIALS, INC. P. O. BOX 450A SANTA CLARA, CA 95052 EXAMINER
THOMAS, BRANDI N
ART UNIT PAPER NUMBER

2873

DATE MAILED: 10/09/2008

006256

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/698,822	10/30/2003	Paul C. Allen	107262.184US2 AND	1260

TITLE OF INVENTION: APPARATUS FOR MULTIPLE BEAM DEFLECTION AND INTENSITY STABILIZATION

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	01/09/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correcte maintenance fee notifical	correspondence includir ed below or directed oth	ng the Patent, advance of the Patent, advance	orders and notification of a) specifying a new corre	maintenance fees was pondence address;	ill be and/or	mailed to the current (b) indicating a sepa	correspondence actrate "FEE ADDR	ddress as ESS" for
CURRENT CORRESPONDI	ENCE ADDRESS (Note: Use Bl	ock 1 for any change of address)	Fee	e(s) Transmittal. This pers Each additional	certif	can only be used for icate cannot be used for such as an assignme ling or transmission.	or anv other accon	npanving
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APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	₹	ATTO:	RNEY DOCKET NO.	CONFIRMATION	I NO.
10/698,822 ITTLE OF INVENTION	10/30/2003 : APPARATUS FOR M	ULTIPLE BEAM DEFLI	Paul C. Allen ECTION AND INTENSIT	ΓΥ STABILIZATIO!		262.184US2 AND 006256	1260	
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE	FEE	TOTAL FEE(S) DUE	DATE DU	Æ
nonprovisional	NO	\$1510	\$300	\$0		\$1810	01/09/200	09
EXAM	INER	ART UNIT	CLASS-SUBCLASS]				
THOMAS, I	BRANDI N	2873	359-285000	_				
"Fee Address" indi PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A	ess an assignee is ident in 37 CFR 3.11. Comp	"Indication form led. Use of a Customer A TO BE PRINTED ON 'ified below, no assignee	(1) the names of up to or agents OR, alternative (2) the name of a sing registered attorney or 2 registered patent attelisted, no name will be THE PATENT (print or ty data will appear on the part of	ively, the firm (having as a agent) and the name orneys or agents. If reprinted. The printed assigned assignment.	memb s of up to nam	er a 2ee is 3eentified below, the definition	ocument has been	filed for
Please check the appropri	iate assignee category or	categories (will not be pr	rinted on the patent):	Individual Co	rporati	on or other private gro	oup entity Gov	ernment
	are submitted: To small entity discount p of Copies	permitted)	b. Payment of Fee(s): (Ple A check is enclosed. Payment by credit ca The Director is hereb overpayment, to Dep	ard. Form PTO-2038	is atta	ched.		any s form).
a. Applicant claims	tus (from status indicated s SMALL ENTITY statu d Publication Fee (if requ	us. See 37 CFR 1.27.	b. Applicant is no lored from anyone other than					r party in
nterest as shown by the r	records of the United Sta	tes Patent and Trademark	x Office.					
Authorized Signature				Date				
Typed or printed name				Registration No	э			-
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32588 75	90 10/09/2008		EXAMINER		
APPLIED MATE	ERIALS, INC.	THOMAS, BRANDI N			
P. O. BOX 450A	G . 0.50.50	ART UNIT	PAPER NUMBER		
SANTA CLARA, CA 95052			2873		
		DATE MAILED: 10/09/2008			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 395 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 395 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	Application No.	Applicant(s)	
Nation of Allowaldite	10/698,822	ALLEN ET AL.	
Notice of Allowability	Examiner	Art Unit	
	BRANDI N. THOMAS	2873	
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in or other appropriate commu IGHTS. This application is s	this application. If not included nication will be mailed in due course	
1. This communication is responsive to 7/24/08.			
2. X The allowed claim(s) is/are <u>1,2,4-17 and 24-28</u> .			
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do 	been received. been received in Applicatio	n No	om the
International Bureau (PCT Rule 17.2(a)).	cuments have been received	in this national stage application no	oni tile
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm	IENT of this application.		
INFORMAL PATENT APPLICATION (PTO-152) which give	es reason(s) why the oath or	declaration is deficient.	
5. CORRECTED DRAWINGS (as "replacement sheets") mus			
(a) ☐ including changes required by the Notice of Draftspers		v (PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1			of
each sheet. Replacement sheet(s) should be labeled as such in t			
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 			ne
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	E Notice of Int	formal Datant Application	
 □ Notice of References Cited (PTO-692) □ Notice of Draftperson's Patent Drawing Review (PTO-948) 		formal Patent Application Immary (PTO-413),	
 Information Disclosure Statements (PTO/SB/08), 	Paper No./	Mail Date Amendment/Comment	
Paper No./Mail Date4. Examiner's Comment Regarding Requirement for Deposit		Statement of Reasons for Allowance	Э
of Biological Material	9. 🔲 Other	<u>.</u>	

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REASONS FOR ALLOWANCE

1. Claims 1, 2, 4-17, and 24-28 are allowed.

2. The following is an examiner's statement of reasons for allowance: The prior art taken either singularly or in combination fails to anticipate or fairly suggest the limitations of the independent claim(s), in such a manner that a rejection under 35 U.S.C. 102 or 103 would be proper. The prior art fails to teach a combination of all the claimed features as presented in claim(s), wherein the claimed invention comprises, in claim 1, an acousto-optic modulator (AOM) which during use receives the array of input beams and separately modulates each of the received beams in accordance with an AOM control signal to produce an output beam array that is scanned over a scan region by the scanning system; and wherein said errors attributable to at least one of(1) variations in beam velocity over a scan line within the scanning system, (2) intensity errors associated with the scanning system, and (3) intensity variations from stripe deflection across a sound field within the AOM, in claim 12, a deflection measurement circuit including a chevron pattern detector across which one of the beams of the scanned array of beams scans during operation, said chevron pattern detector generating a signal that is a measure of the location of the scanned array of beams in a direction transverse to the scan direction, said chevron pattern detector including an angled slit across which said one of the beams passes, as claimed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to BRANDI N. THOMAS whose telephone number is (571)272-

2341. The examiner can normally be reached on Monday - Thursday from 6-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Ricky Mack can be reached on 571-272-2333. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Brandi N Thomas/

Examiner

Art Unit 2873

BNT

September 27, 2008

/Ricky L. Mack/

Supervisory Patent Examiner, Art Unit 2873